

In the claims:

Please replace claims 37-39 with the following amended claims:

37. (Amended) A sensor in accordance with claim[s] 18[-36] which is less than 2 inches in dimension.

38. (Amended) The use of a sensor in accordance with claim[s] 18[-37] in biological, biochemical, or chemical testing.

39. (Amended) A method of determining the surface plasmon resonance angle using a sensor in accordance with claim[s] 18[-37] comprising the steps of:

- (a) determining the differential signal;
- (b) determining the sum signal;
- (c) determining the calibration curve;
- (d) determining the ratio of the differential signal to the sum signal based on the calibration curve.